What is claimed is:

1. A therapeutic treatment machine for applying sequences of selected amounts of alternating tension and compression between two portions of the body of a patient comprising:

a frame having a forward section and a rearward section supported by a plurality of legs;

a pad for supporting a first body portion of a patient mounted within said forward section of said frame;

a platform for supporting and securing a second body portion of a patient displaceably mounted within said rearward section of said frame;

drive means for cyclically moving said platform forcefully in the forward direction and alternatingly moving said platform forcefully in the rearward direction, said drive means comprising:

a motor for producing rotation in a driven member;

a linkage arm;

means for converting rotational movement in said driven member to longitudinal reciprocation of said linkage arm; and

means for moving said platform longitudinally with said linkage arm.

2. The therapeutic treatment machine of claim 1 wherein said platform is a foot support platform comprising:

a support surface;

first and second foot rests secured to said surface in transversely spaced relation for supporting the heel portions of the patient's feet;

bracket means for removably securing first and second foot support plates in transversely spaced relation and in substantial longitudinal alignment with said first and second foot rests for supporting the bottoms of the patient's feet;

first and second foot clamps for engaging the tops of the patient's feet and, in cooperation with said foot support plates, holding the patient's feet in place against longitudinal movement; and

mounting means for removably securing said foot clamps to said foot support platform.

3. The therapeutic treatment machine of claim 1 wherein said mounting means comprises:

a T-bar having a stem and a cross member, wherein said stem is sized and configured to fit between said first and second foot plates, said stem having a longitudinally extending slot defined therethrough;

means securing said foot clamps to respective ends of said cross member; and

threaded bolt means extending through said slot to engage said platform at selectable locations along said slot to secure said T-bar to said platform.

4. The therapeutic treatment machine of claim 1 wherein said frame is a generally rectangular frame comprising tubular frame members interconnected at corners of the frame by respective corner members, each corner member comprising:

a corner portion;

first and second arms extending from orthogonally oriented sides, said arms adapted to be slidably engaged in ends of respective tubular frame members; and

adhesive means for securing said first and second arms in said respective frame members.

5. The therapeutic treatment machine of claim 4 wherein each of said first and second arms is a generally U-shaped member formed integrally as one piece with said corner portion and having a base disposed at said corner portion and two spaced sides extending distally, wherein said adhesive means secures each of said sides to a respective inner surface of a tubular frame member.

6. The therapeutic treatment machine of claim 4 wherein said frame is supported by a plurality of legs at each of said corners, wherein each corner member includes a leg support member extending orthogonally to said first and second arms from said corner portion and configured to telescopically engage a respective leg.

7. The therapeutic treatment machine of claim 6 wherein said corner member, said first and second arms and said leg support member are formed of a single piece of cast aluminum.

8. A therapeutic treatment machine for applying sequences of selected amounts of alternating tension and compression between two portions of the body of a patient comprising:

a frame having a forward section and a rearward section supported by a plurality of legs;

a pad for supporting a first body portion of a patient mounted within said forward section of said frame;

a platform for supporting and securing a second body portion of a patient displaceably mounted within said rearward section of said frame;

drive means for cyclically moving said platform forcefully in the forward direction and alternatingly moving said platform forcefully in the rearward direction, wherein said platform is a foot support platform comprising:

a support surface;

bracket means for removably securing first and second foot support plates in transversely spaced relation for supporting the bottoms of the patient's feet;

first and second foot clamps for engaging the tops of the patient's feet and, in cooperation with said foot support plates, holding the patient's feet in place against longitudinal movement; and

mounting means for removably securing said foot clamps to said foot support platform.

9 . The therapeutic treatment machine of claim 8 wherein said mounting means comprises:

a T-bar having a stem and a cross member, wherein said stem is sized and configured to fit between said first and second foot plates, said stem having a longitudinally extending slot defined therethrough;

means securing said foot clamps to respective ends of said cross member;

threaded bolt means extending through said slot to engage said platform at selectable locations along said slot to secure said T-bar to said platform.

10. The therapeutic treatment machine of claim 8 wherein said frame is a generally rectangular frame comprising tubular frame members interconnected at corners of the frame by respective corner members, each corner member comprising:

a corner portion;

first and second arms extending from orthogonally oriented sides, said arms adapted to be slidably engaged in ends of respective tubular frame members; and

adhesive means for securing said first and second arms in said respective frame members.

11. The therapeutic treatment machine of claim 10 wherein each of said first and second arms is a generally U-shaped member formed integrally as one piece with said corner portion and having a base disposed at said corner portion and two spaced sides extending distally, wherein said adhesive means secures each of said sides to a respective inner surface of a tubular frame member.

12. The therapeutic treatment machine of claim 10 wherein said frame is supported by a plurality of legs at each of said corners, wherein each corner member includes a leg support member extending orthogonally to said first and

second arms from said corner portion and configured to telescopically engage a respective leg.

13. The therapeutic treatment machine of claim 12 wherein said corner member, said first and second arms and said leg support member are formed of a single piece of cast aluminum.

14. A therapeutic treatment machine for applying sequences of selected amounts of alternating tension and compression between two portions of the body of a patient comprising:

a frame having a forward section and a rearward section supported by a plurality of legs;

a pad for supporting a first body portion of a patient mounted within said forward section of said frame;

a platform for supporting and securing a second body portion of a patient displaceably mounted within said rearward section of said frame;

drive means for cyclically moving said platform forcefully in the forward direction and alternatingly moving said platform forcefully in the rearward direction,

wherein said frame is a generally rectangular frame comprising tubular frame members interconnected at corners of the frame by respective corner members, each corner member comprising:

a corner portion;

first and second arms extending from orthogonally oriented sides, said arms adapted to be slidably engaged in ends of respective tubular frame members; and

adhesive means for securing said first and second arms in said respective frame members.

15. The therapeutic treatment machine of claim 14 wherein each of said first and second arms is a generally U-shaped member formed integrally as one piece with said corner portion and having a base disposed at said corner portion and

two spaced sides extending distally, wherein said adhesive means secures each of said sides to a respective inner surface of a tubular frame member.

16. The therapeutic treatment machine of claim 14 wherein said frame is supported by a plurality of legs at each of said corners, wherein each corner member includes a leg support member extending orthogonally to said first and second arms from said corner portion and configured to telescopically engage a respective leg.

17. The therapeutic treatment machine of claim 16 wherein said corner member, said first and second arms and said leg support member are formed of a single piece of cast aluminum.